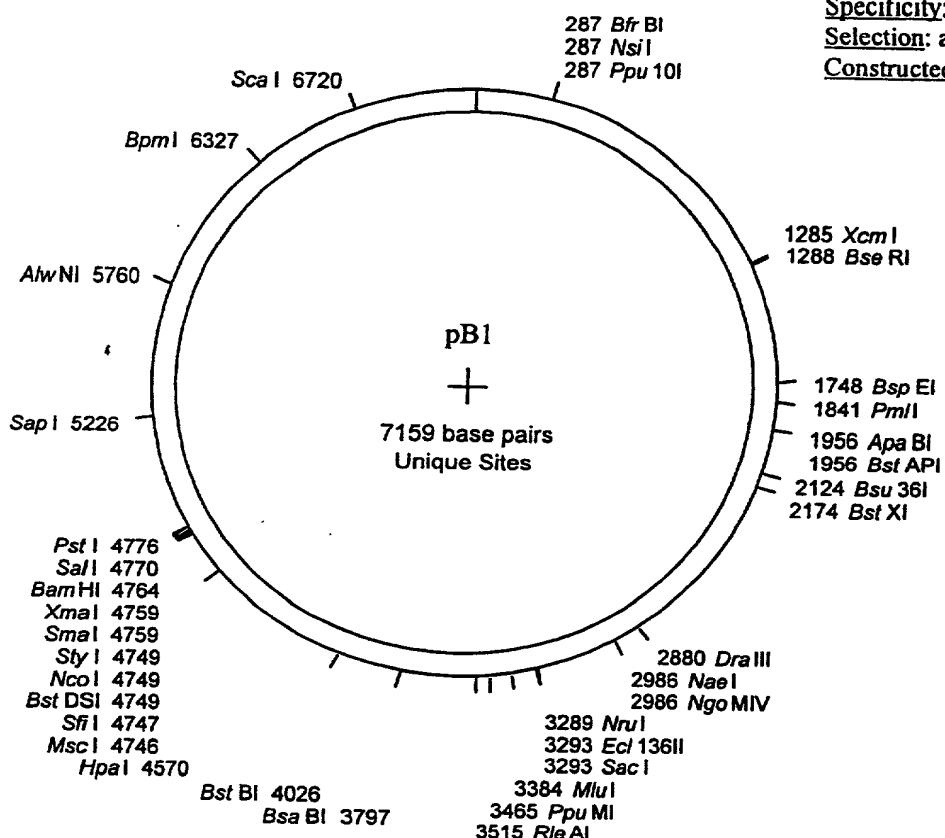


# pB1

Alias: pAS2DD  
Application: 2HY (bait)  
Backbone:  
Specificity:  
Selection: ampicillin  
Constructed by:



### Oligo 160

gagagtagtaacaaaggtc AAAGACAGTTGACTGTATCGCCG GAA TTT AT

Sfi I	Sma I	Bam HI	Sal I	Pst I								
G	GCC	ATG	GAG	GCC	CCG	GGG	ATC	CGT	CGA	CCT	GCA	GCC
Nco I												

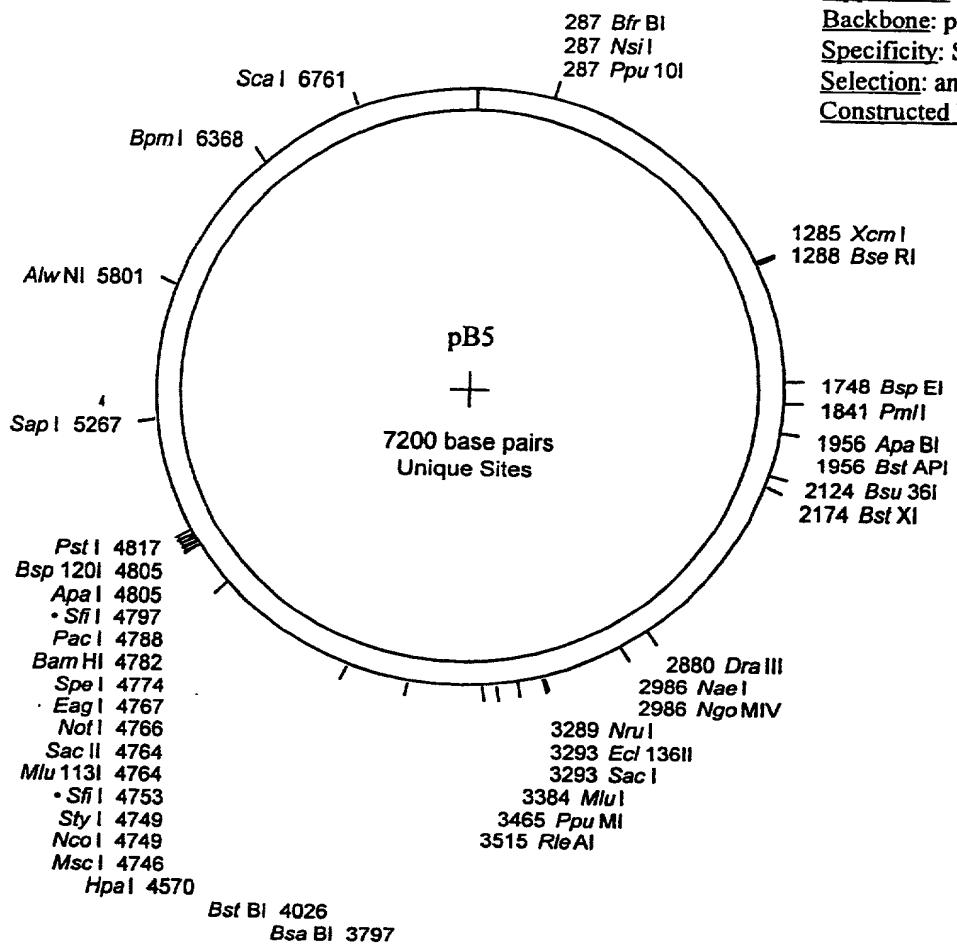
### Oligo 161

AAG CTA ATT ccggggcgaattcttata

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'  
 Oligo 161 5' CATAAGAAATTCGCCCGG 3'

FIGURE 1

# pB5<sup>2</sup>



Alias: pAS2DDNS1  
Application: 2HY (bait)  
Backbone: pAS2DD  
Specificity: *Sfi* non-oriented  
Selection: ampicillin  
Constructed by: SW

## Oligo 160

gagagttagtaacaaaggtc AAAGACAGTTGACTGTATGCCG GAA TTT ATG

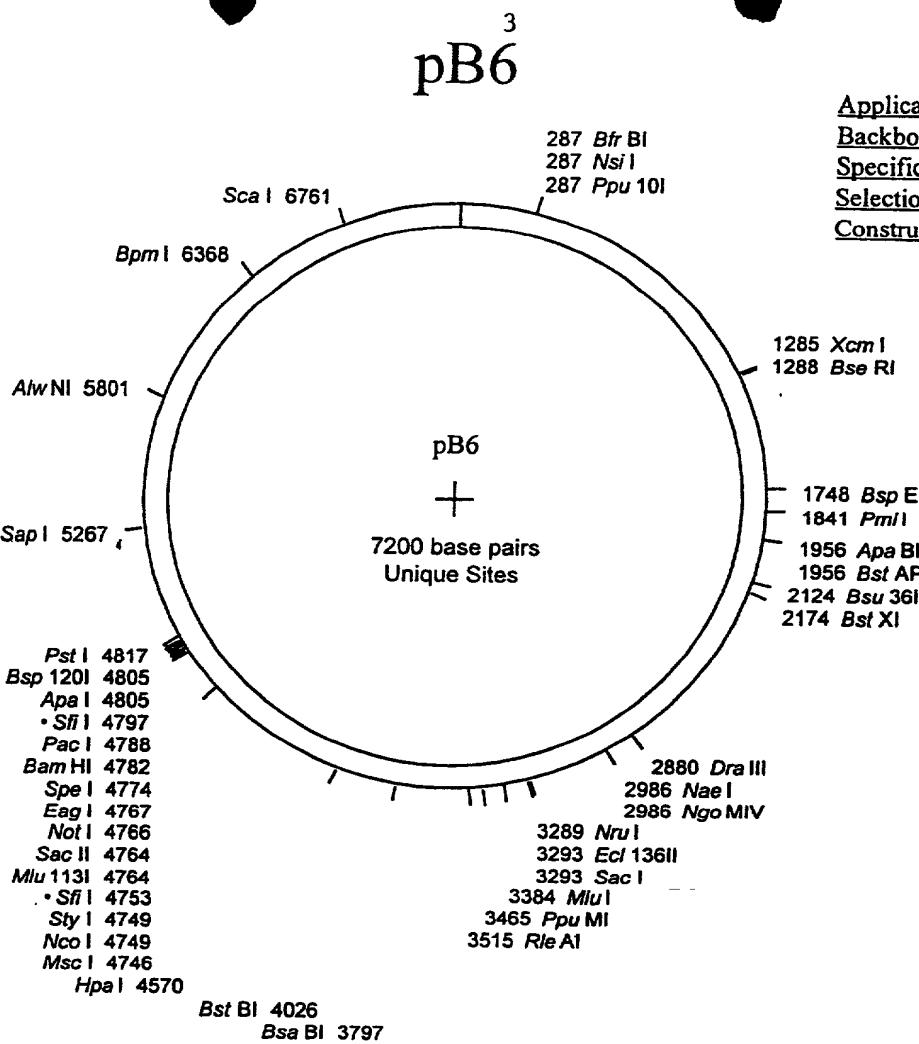
<u>Sfi</u> I	<u>Sac</u> II	<u>Spe</u> I	<u>Bam</u> HI
GCC ATG	GCA GGG	GCG	GCC GCA CTA GTG GGG ATC C
<u>Nco</u> I		<u>Not</u> I	

TT	AAT	<u>STOP</u> <u>TAA</u>	<u>Sfi</u> I	<u>Pst</u> I
		GGG	CCA CTG GGG CCC CTC GAC	CTG CAG CCA
			<u>Pac</u> I	

Oligo 161  
 AGC TAA TT ccggggcgaatttctttag

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'  
Oligo 161 5' CATAAGAAATTGCCCCGG 3'

FIGURE 2



### Oligo 160

gagagtagtaacaaaggtc AAAGACAGTTGACTGTATGCCG GAA TTT ATG

Sfi I	Sac II	Spe I	Bam HI
GCC ATG GCC GGA CGG GCC GCG	GCC GCA CTA GTG	GGG ATC C	
<u>Nco I</u>	<u>Not I</u>		

STOP	Sfi I	Apa I	Pst I
TT AAT <u>TAA</u>	GGG CCA CTG GGG CCC	CTC GAC	CTG CAG CCA
<u>Pac I</u>			

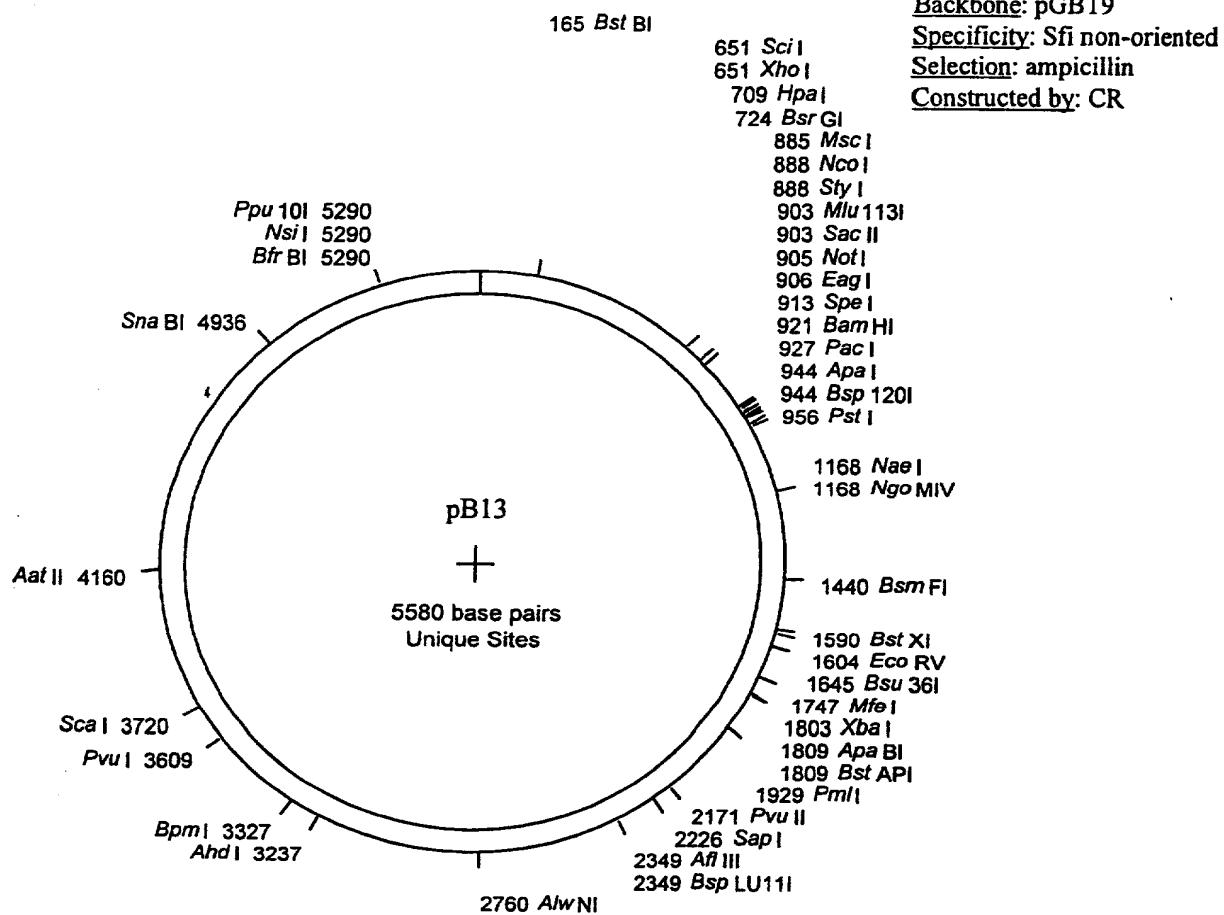
### Oligo 161

AGC TAA TT ccggggcgaaattcttatg

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'  
Oligo 161 5' CATAAGAAATTGCCCGG 3'

FIGURE 3

# 4 pB13



### Oligo 160

gagagttagtaacaaaggctc AAAGACAGTTGACTGTATCGCCG GAA TTT ATG

Sfi I	Sac II				Spe I	Bam HI							
GCC	ATG	GCC	GCA	GGG	GCC	GCG	GCC	GCA	CTA	GTG	GGG	ATC	C
Nco I					Not I								

STOP	Sfi I				Pst I							
TT	AAT	TAA	GGG	CCA	CTG	GGG	CCC	CTC	GAC	CTG	CAG	CCA
				Pac I								

### Oligo 161

AGC TAA TT ccgggcgaattcttatg

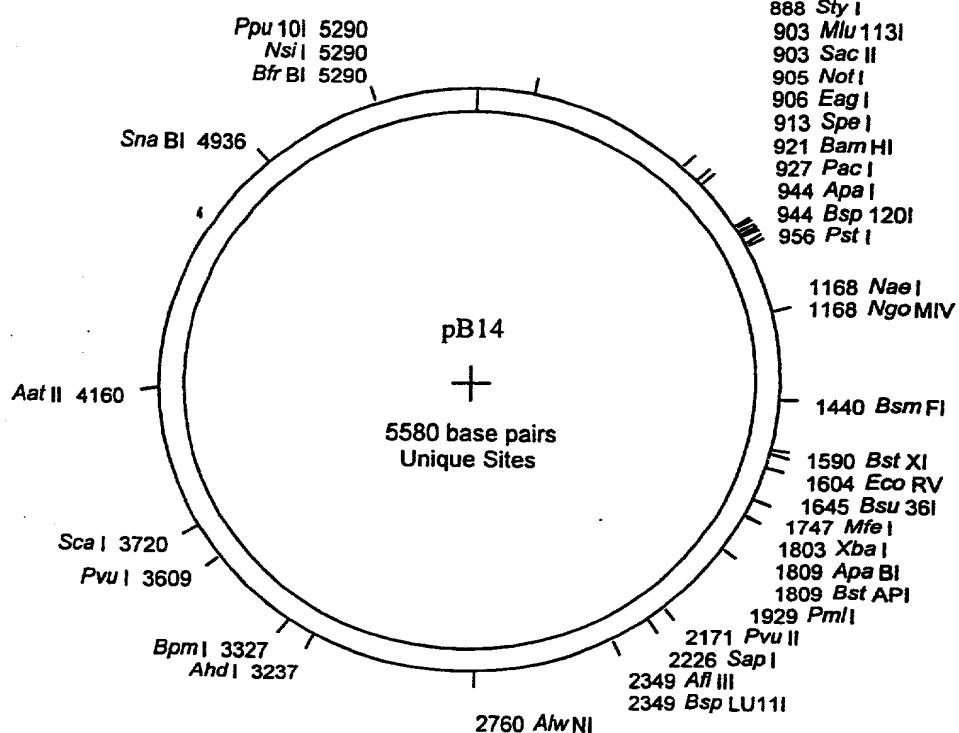
Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'

Oligo 161 5' CATAAGAAATTGCCCCGG 3'

5  
pB14

165 *Bst* BI

Alias: pGBT9NS2  
Application: 2HY (bait)  
Backbone: pGBT9  
Specificity: Sfi oriented  
Selection: ampicillin  
Constructed by: CR



**Oligo 160**

gagagtatgtacaaagggtc AAAGACAGTTGACTGTATGCCG GAA TTT ATG

<u>Sfi I</u>	<u>Sac II</u>	<u>Spe I</u>	<u>Bam HI</u>
GCC ATG GCC GGA CGG GCC	GCG GCC GCA CTA GTG GGG ATC C		
<b>Nco I</b>	<b>Not I</b>		

<u>STOP</u>	<u>Sfi I</u>	<u>Apa I</u>	<u>Pst I</u>
TT AAT <b>TAA</b>	GGG CCA CTG GGG CCC	CTC GAC	CTG CAG CCA
<b>Pac I</b>			

**Oligo 161**

AGC TAA TT **ccggcgatattcttatg**

**Oligo 160 5' GAGAGTAGTAAACAAAGGTC 3'**

**Oligo 161 5' CATAAGAAATTGCCCGG 3'**

# <sup>6</sup>pB20

161 *Bst* BI

447 *Hinc* II  
447 *Hpa* I  
486 *Bcl* I  
517 *Mlu* I

Alias: pLex10NS2  
Application: 2HY (bait)  
Backbone: pLex10 (pB9)  
Specificity: *Sfi*-oriented  
Selection: ampicillin  
Constructed by: LD

759 *Bsm* I

957 *Pme* I  
975 *Bgl* II  
998 *Xcm* I  
1045 *Eco* RI  
1053 *Sfi* I •  
1064 *Bst* DSI  
1064 *Mlu* 113I  
1064 *Sac* II  
1066 *Not* I  
1067 *Eag* I  
1074 *Spe* I  
1082 *Bam* HI  
1088 *Pac* I  
1097 *Sfi* I •  
1105 *Apa* I  
1105 *Bsp* 120I  
1117 *Pst* I

1329 *Nae* I  
1329 *Ngo* MIV

1601 *Bsm* FI

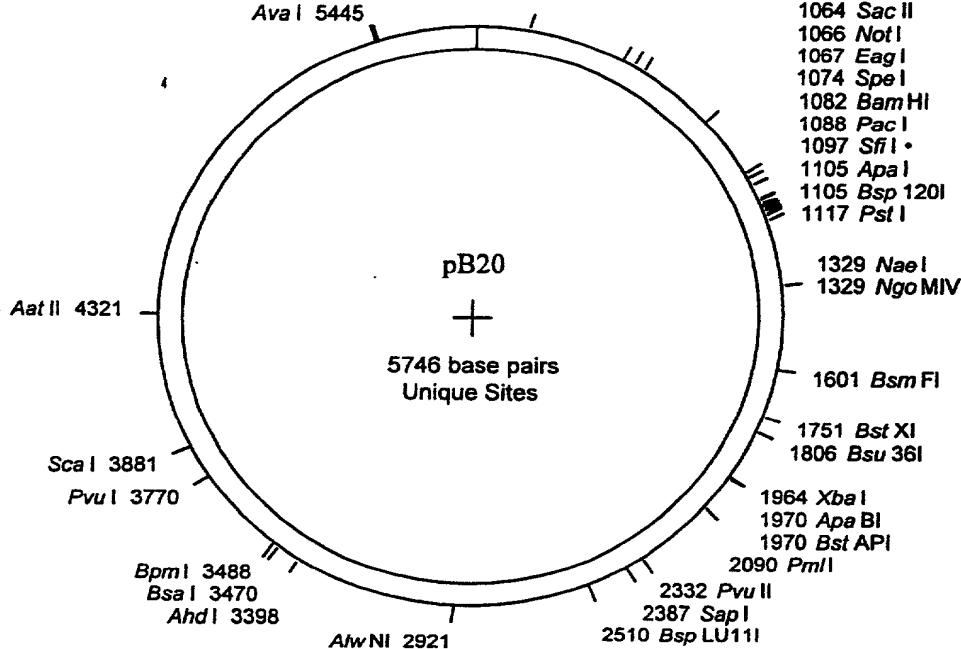
1751 *Bst* XI  
1806 *Bsu* 36I

1964 *Xba* I  
1970 *Apa* BI  
1970 *Bst* API

2090 *Pml* I

2332 *Pvu* II  
2387 *Sap* I

2510 *Bsp* LU11I



## EcoR I

## Sfi I

## Not I

## Spe I

## BamH I

GAA TTC GGG GCC GGA CGG GCC GCG GCC GCA CTA GTG GGG ATC C

Sac II

**STOP**

TT AAT **TAA** GGG CCA CTG GGG CCC CTC GAC CTG CAG

**Pac** I

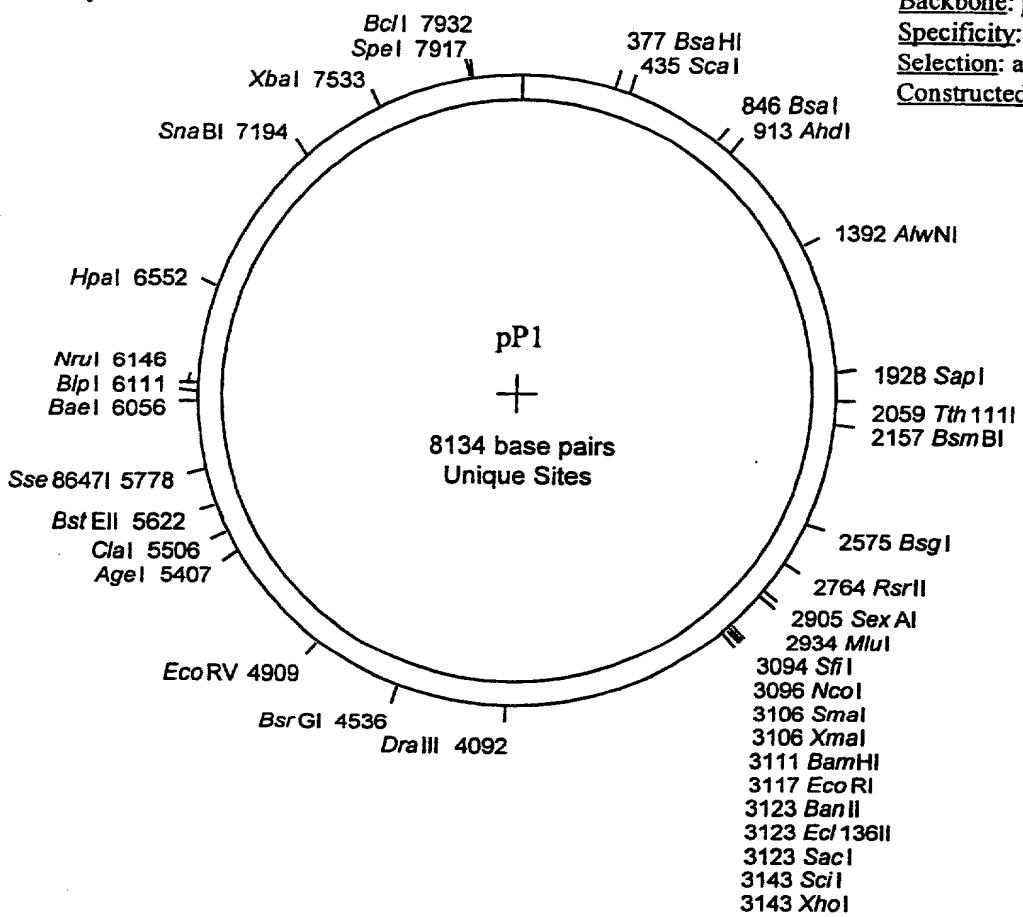
**Sfi** I

**Pst** I

FIGURE 6

7  
pP1

Alias : pACTIIst  
Application: 2HY (prey)  
Backbone: pACTII  
Specificity:  
Selection: ampicillin  
Constructed by:



**ABS1**

**cgtttggaaatca**tacagg GATGTTAATACCACTACAATGGATGATGTATATAACTATCTATT

**JC90**

**Bgl II**

cgatgatgaagataccccaccaa CCCAAAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG

**Sfi I**

**Sma I**

**BamH I**

ATTACGCTAGCTTGGGTGGTCATATGGCC ATG GAG GCC CCG GGG ATC CGA ATT

**Neo I**

**Xho I**

**Bgl II**

**Sac I**  
CGA GCT CGA CTA GCT AGC TGA CTC GAG AGA TCT ATGAAT

cgttagatactgaaaaacccc GCAAGTT   cacttcaactgtgcacgtg   caccatctcaatttc

162

ABS2

53

**ABS1** 5' CGTTTGGAAATCACTACAGG 3'

**JC90** 5' CGATGATGAAGATACCCCACCAA 3'

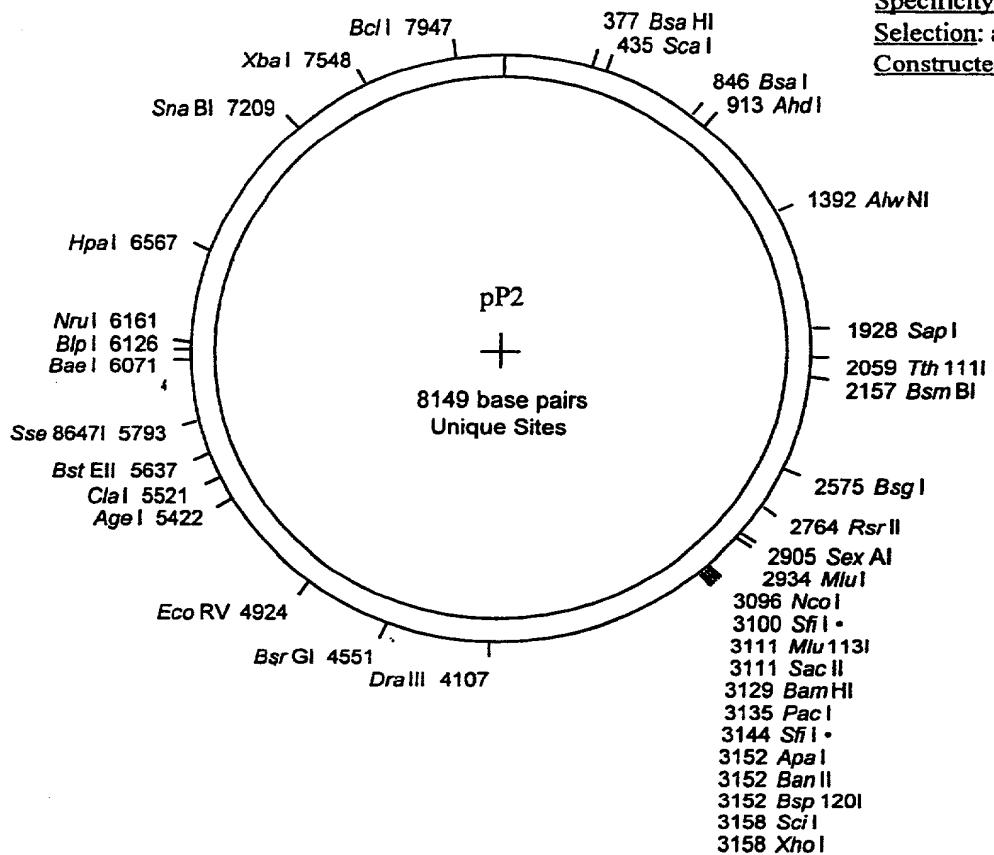
**162** 5' GGGGTTTTCACTATCTACG 3'

**ABS2** 5' CACGATGCACAGTTGAAGTG 3'

**53** 5' GAAATTGAGATGGTGCACGATGCAC 3'

FIGURE 7

Application: 2HY (prey)  
Backbone: pACTIIst  
Specificity: Sfi non-oriented  
Selection: ampicillin  
Constructed by: SW



ABS1

CG cgtttgaatcactacagg GATGTTAACCACTACAATGGATGATGTATATAACTATCTATT

JC90

## Bgl II

cgatgtatgaagataccccacccaaa CCCAAAAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG

Sfi I

## Sac II

ATTACGCTAGCTTGGGTGGTCATATGCC ATG GCC GCA GGG GCC GCG GCC GCA

### Nco I

**BamH I** **Pac I**

CTA GTG GGG ATC CTT AAT **TAA** GGG CCA CTG GGG CCC CTC GAG AGA TCT

**Stop**

ATGAAT cgtagatactgaaaaacccc GCAAGTT cacttcaacttgtcatcgta caccatctcaattt

162

ABS2

53

**ABS1 5' CGTTTGGAAATCACTACAGG 3'**

JC90 5' CGATGATGAAGATACCCCACCAAA 3'

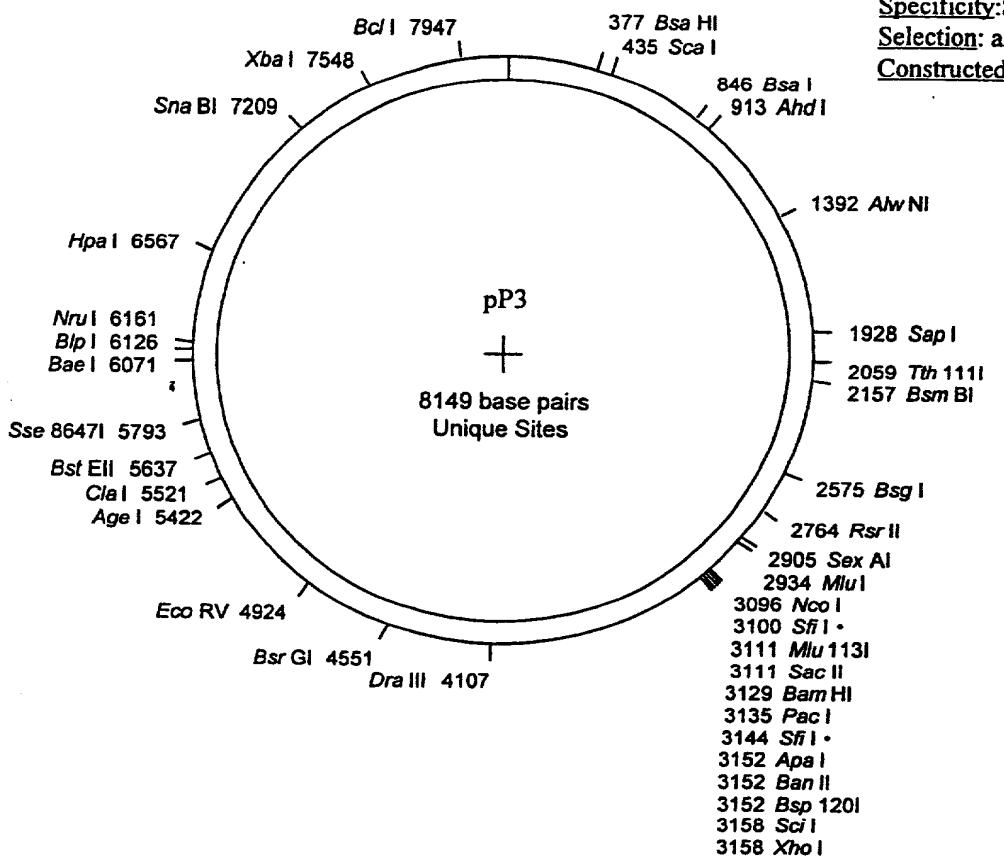
162 5' GGGGTTTTCACTATCTACG 3'

**ABS2 5' CACGATGCACAGTTGAAGTG 3'**

53 5' GAAATTGAGATGGTGCACGATGCAC 3'

FIGURE 8

9  
pP3



Application: 2HY (prey)  
Backbone: pACTIIst  
Specificity: Sfi oriented  
Selection: ampicillin  
Constructed by: SW

**ABS1**

CG cgtttggaaatcactacagg GATGTTAACCACTACAATGGATGATGTATATAACTATCTATT

**JC90**

**Bgl II**

cgatgatgaagataccccaccaaa CCCAAAAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG

**Sfi I**

**Sac II**

ATTACGCTAGCTTGGGTGGTCATATGGCC ATG GCC GGA CGG GCC GCG GCC GCA

**BamH I**

**Pac I**

**Nco I**

CTA GTG GGG ATC CTT AAT TAA GGG CCA CTG GGG CCC CTC GAG AGA TCT  
Stop

ATGAAT

cgtagatactggaaaaaccc

GCAAGTT

cacttcaacgtgcacatcg

caccatctcaatttc

162

ABS2

53

**ABS1** 5' CGTTTGGAAATCACTACAGG 3'

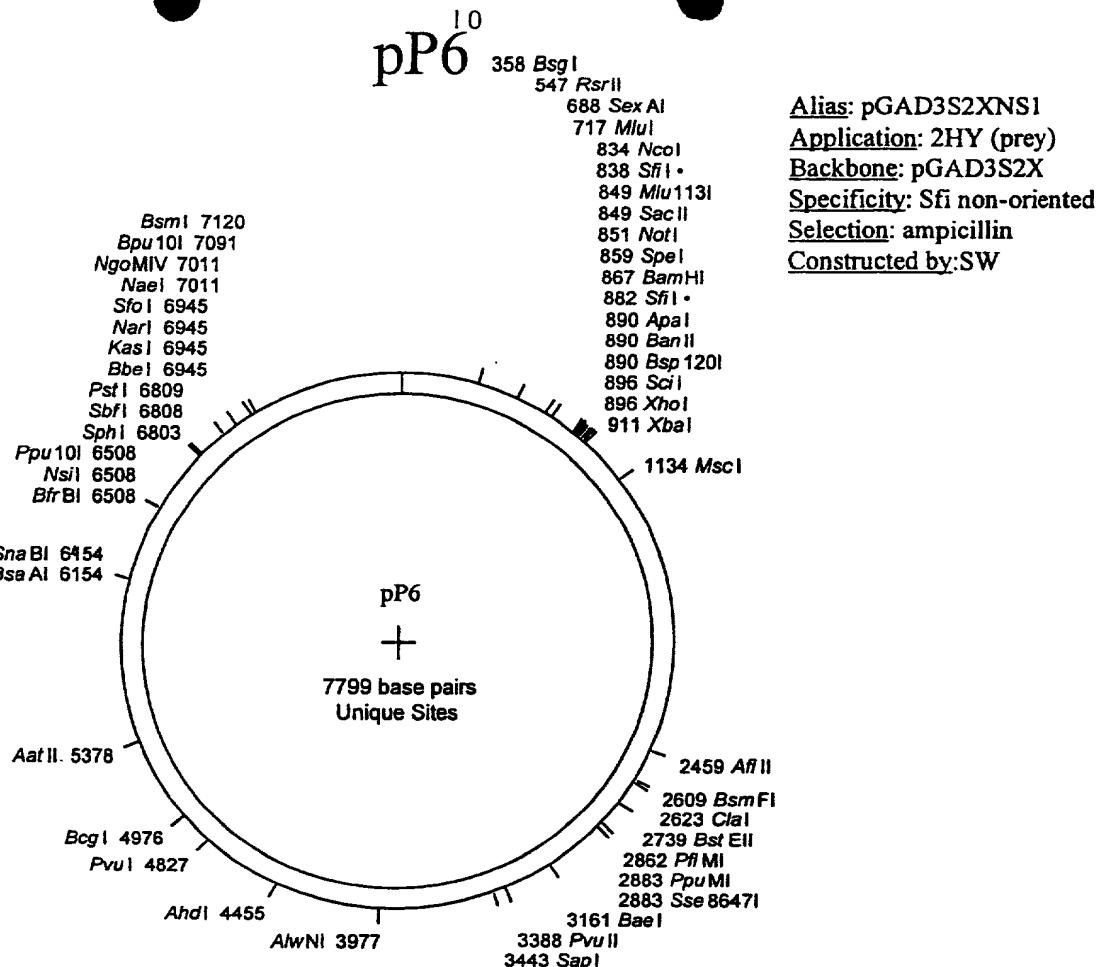
**JC90** 5' CGATGATGAAGATACCCCACCAAA 3'

**162** 5' GGGGTTTTCACTATCTACG 3'

**ABS2** 5' CACGATGCACAGTTGAAGTG 3'

**53** 5' GAAATTGAGATGGTGCACGATGCAC 3'

FIGURE 9



ABS1

cggtttggaaatcactacagg GATGTTTAATACCACTACAATGGATGATGTATATAACTATCTATT

JC90

cgatgatgaagataccccacccaaa CCCAAAAAAAAGAGATCCTAGAACTA

**Sfi I**      **Sac II**      **Spe I**      **Bam HI**

GCC ATG GCC GCA GGG GCC GCG GCC GCA CTA GTG GGG ATC C  
Nco I Not I

TT AAT **STOP** **Sfi I** **Xho I** **Xba I**  
 TAA GGG CCA CTG GGG CCC CTC GAG TAG CTA GTG TCT AGA  
 STOP STOP STOP

GGCCCCGGTACCCAA TTGCCCCATAGTGAGTCGTATTACAATTCACTGGCCG TCGTTTTA

CAACGTCGTACTGGGAAAACCCCTGATCTATGAAT cgtagatactaaaaacccccc GCAG

GTT cacttcaacttgtcatcgta cccatctatccattttc

162

ARS2

53

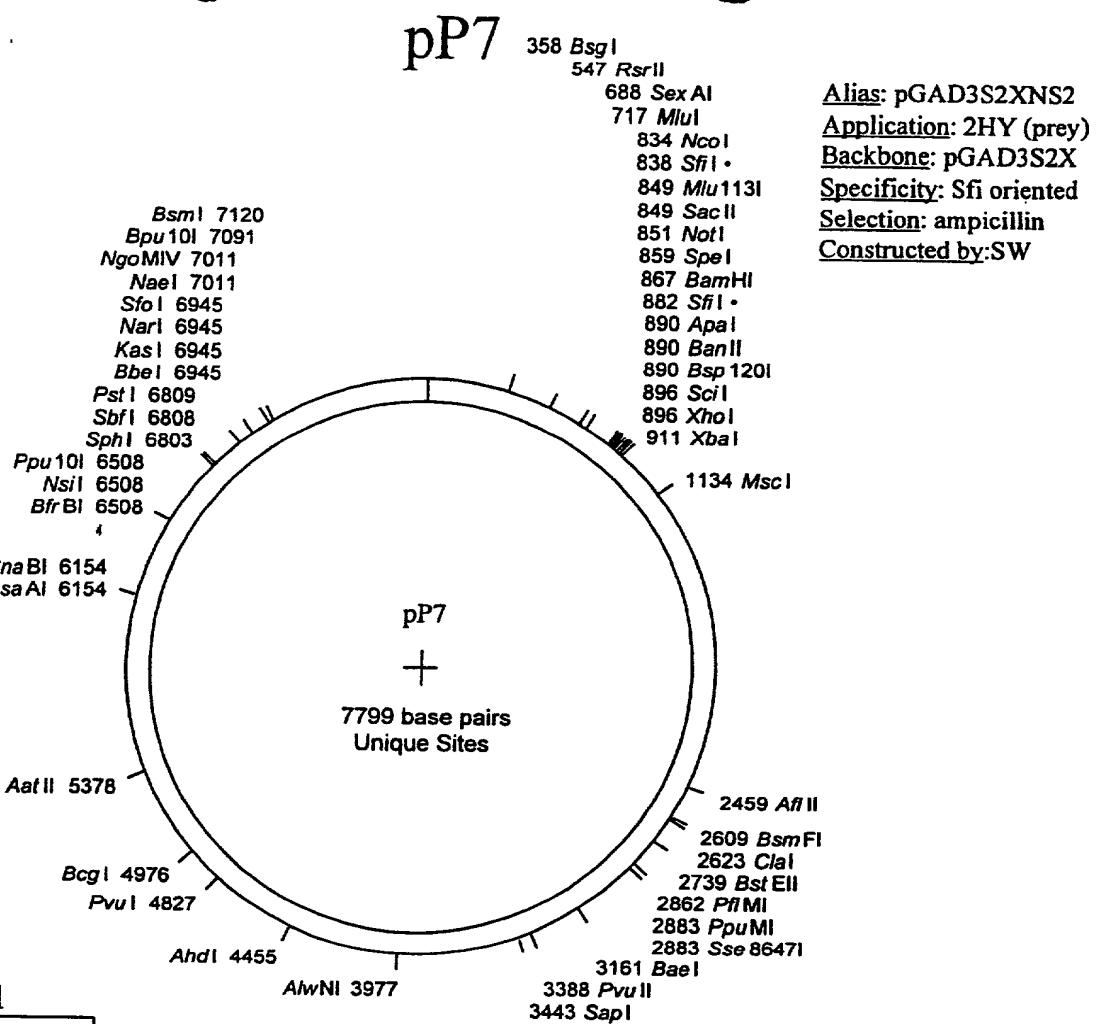
ABS1 5' CGTTTGGAAATCACTACAGG 3'

JC90 5' CGATGATGAAGATACCCCCACCAAA 3'

162 5' GGGGTTTTCACTATCTACGG 3'

ABS2 5' CACGATGCACAGTTGAAGTG 3'

53 5' GAAATTGAGATGGTGCACGATGCAC 3'



**ABS1**

**rgtttggaaatcactacagg** GATGTTTAATACCACTACAATGGATGATGTATATAACTATCTATT

**JC90**

**cggatgtatggatccccacccaa** CCCAAAAAAAGAGATCCTAGAACTA

<b>Sfi I</b>	<b>Sac II</b>	<b>Spe I</b>	<b>Bam HI</b>											
GCC	ATG	GCC	GGA	CGG	GCC	GCG	GCC	GCA	CTA	GTG	GGG	ATC	C	
<b>Nco I</b>					<b>Not I</b>									
STOP		<b>Sfi I</b>				<b>Xho I</b>							<b>Xba I</b>	
TT	AAT	<b>TAA</b>	GGG	CCA	CTG	GGG	CCC	CTC	GAG	<b>TAG</b>	CTA	GTG	TCT	<b>AGA</b>
										STOP	STOP			STOP

GGCCCGGTACCCAATTGCCCTATAGTGAGTCGTATTACAATTCACTGGCCGTGTTTA

CAACGTCGTGACTGGAAAACCTGATCTATGAAT **cgtagatactggaaaaacccc** GCAA

GTT **cacttcaactgtgcacgtg** caccatctcaatttcctt

**162**

**ABS2**

**53**

**ABS1** 5' CGTTTGGAAATCACTACAGG 3'

**JC90** 5' CGATGATGAAGATACCCACCAA 3'

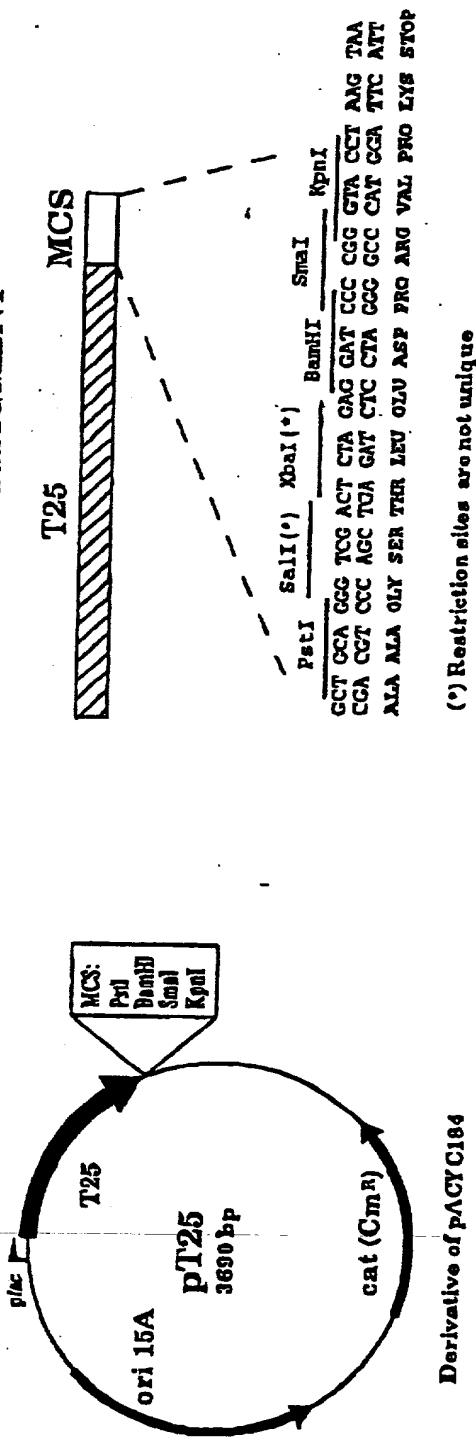
**162** 5' GGGGTTTCAGTATCTACG 3'

**ABS2** 5' CACGATGCACAGTTGAAGTG 3'

**53** 5' GAAATTGAGATGGTGCACGATGCAC 3'

**Alias:** pGAD3S2XNS2  
**Application:** 2HY (prey)  
**Backbone:** pGAD3S2X  
**Specificity:** Sfi oriented  
**Selection:** ampicillin  
**Constructed by:** SW

VECTORS EXPRESSING THE T25 FRAGMENT



Derivative of pACYC184

FIGURE 12

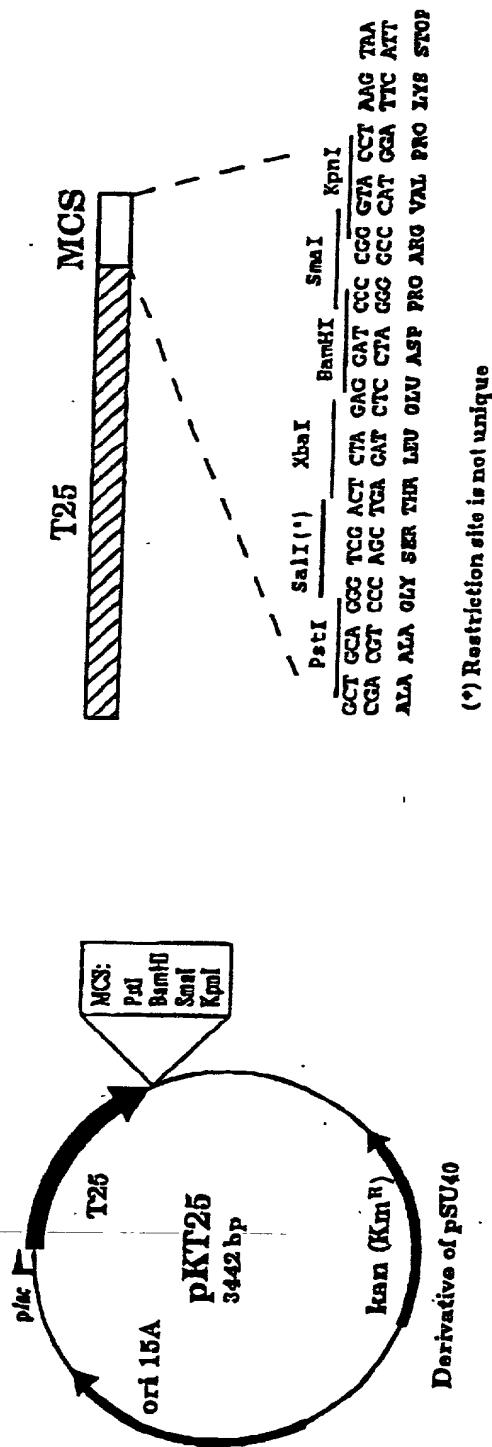


FIGURE 12

## VECTORS EXPRESSING THE TIBI-FRAGMENT

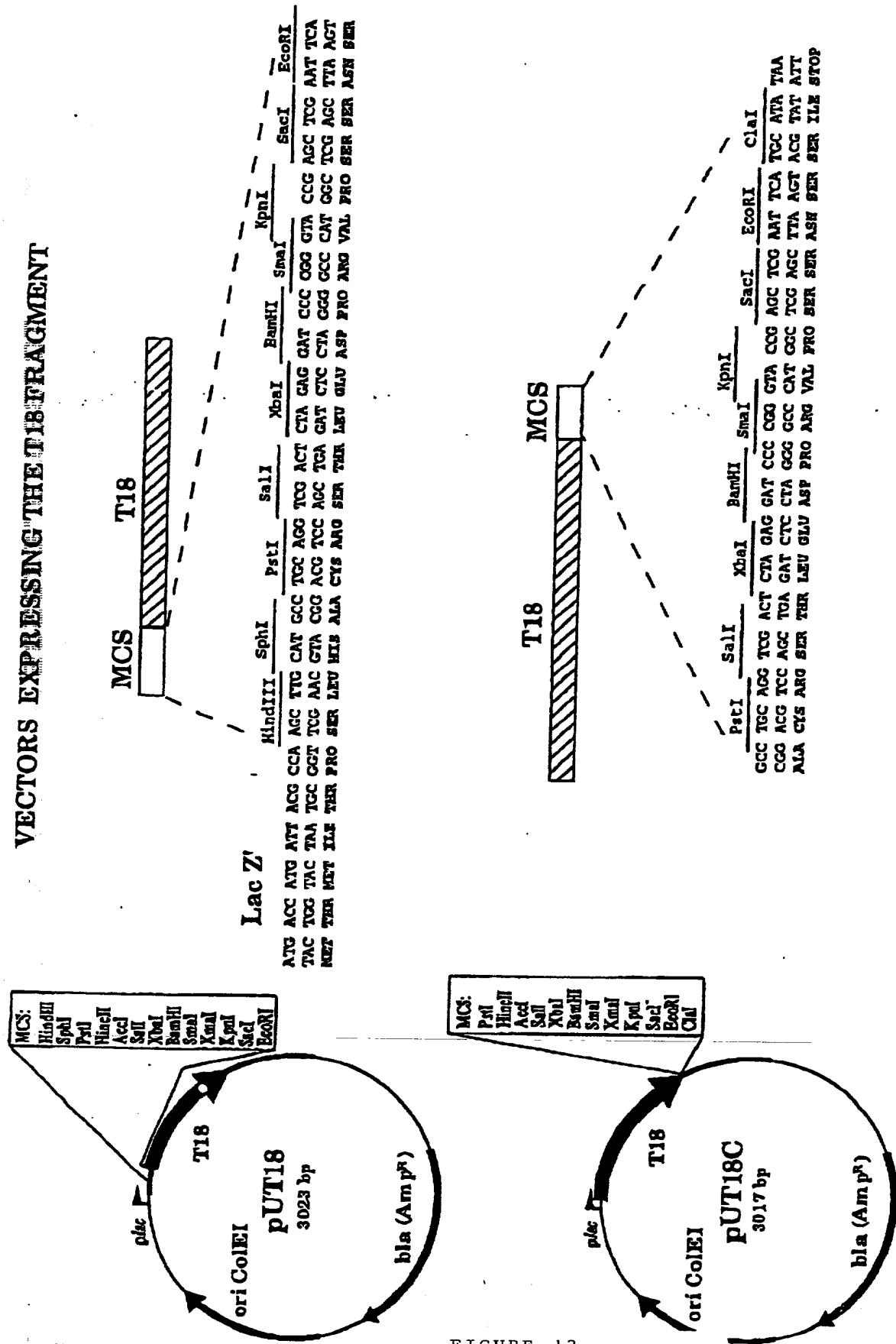
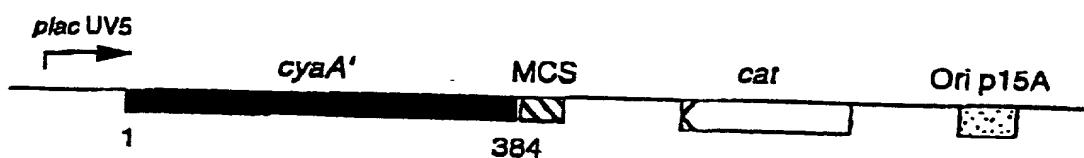
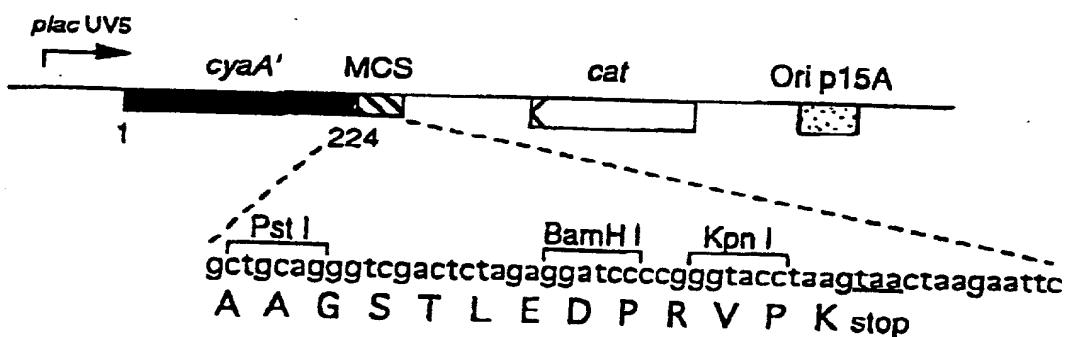


FIGURE 13

**pCmAHL1**



pT25



pT18

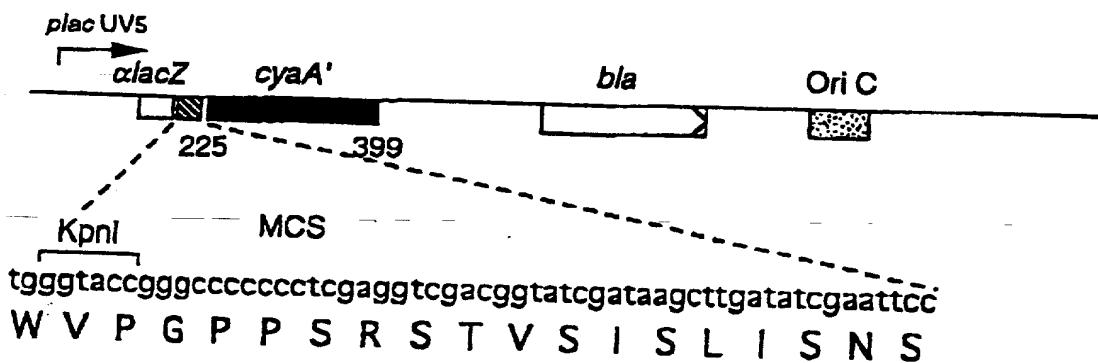


FIGURE 14

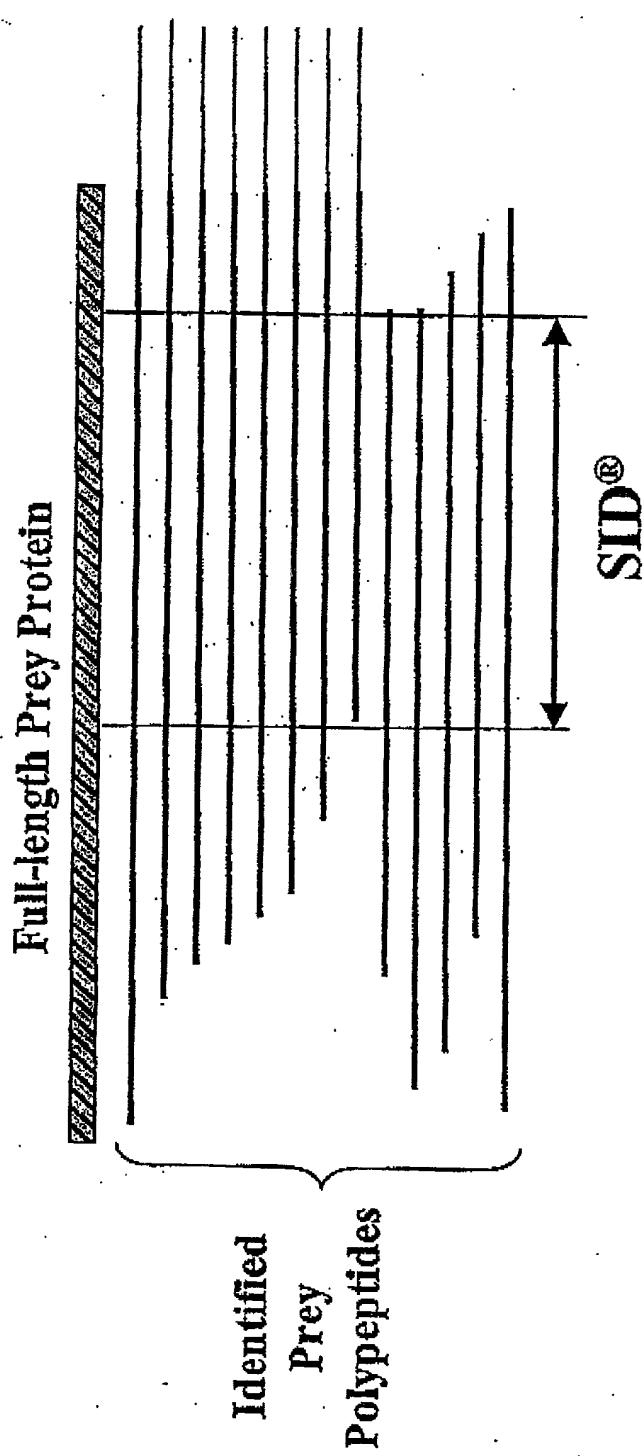


Figure 15: Schematic representation of  $\text{SID}^{\circledR}$  determination

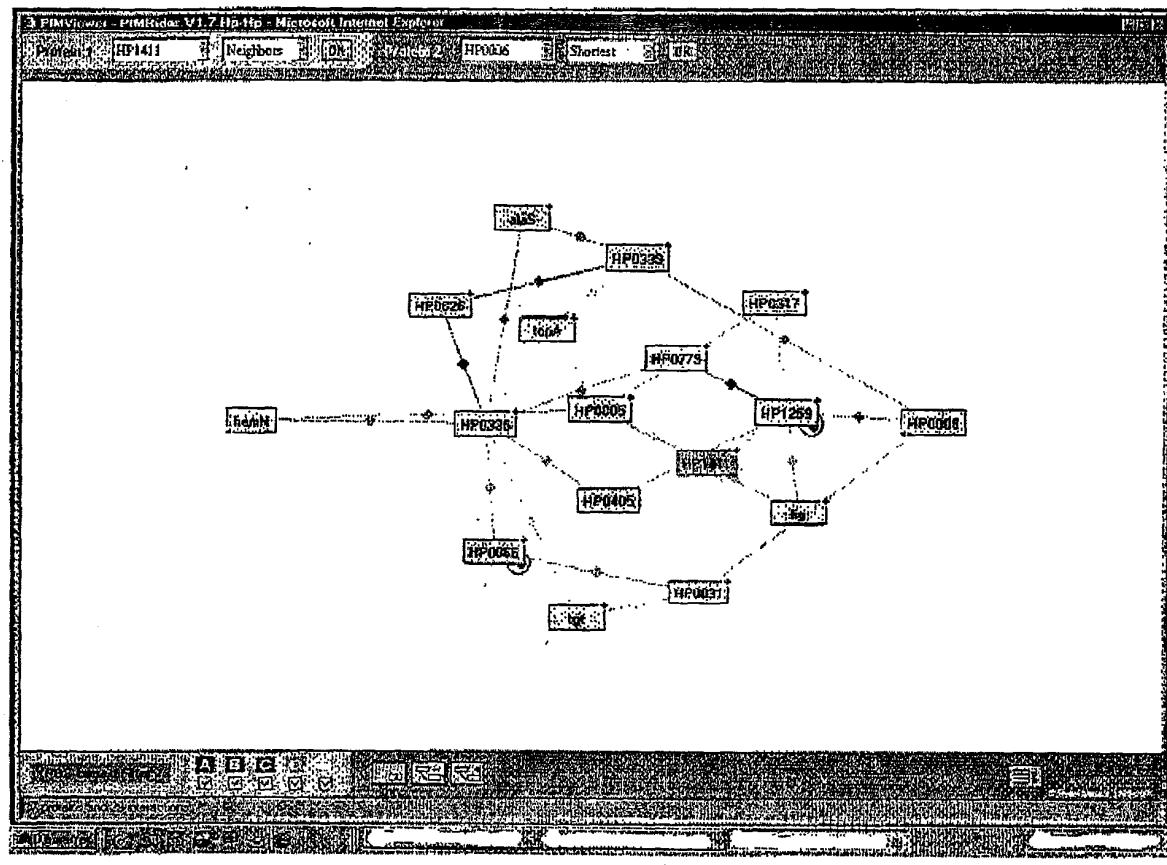


Figure 16 : Example of Protein Interaction Map

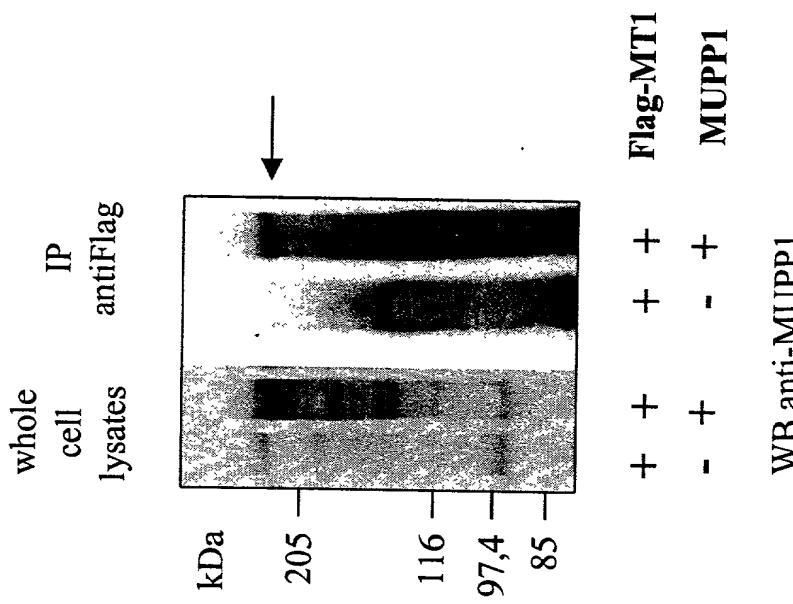
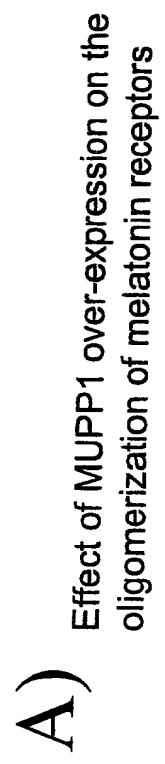
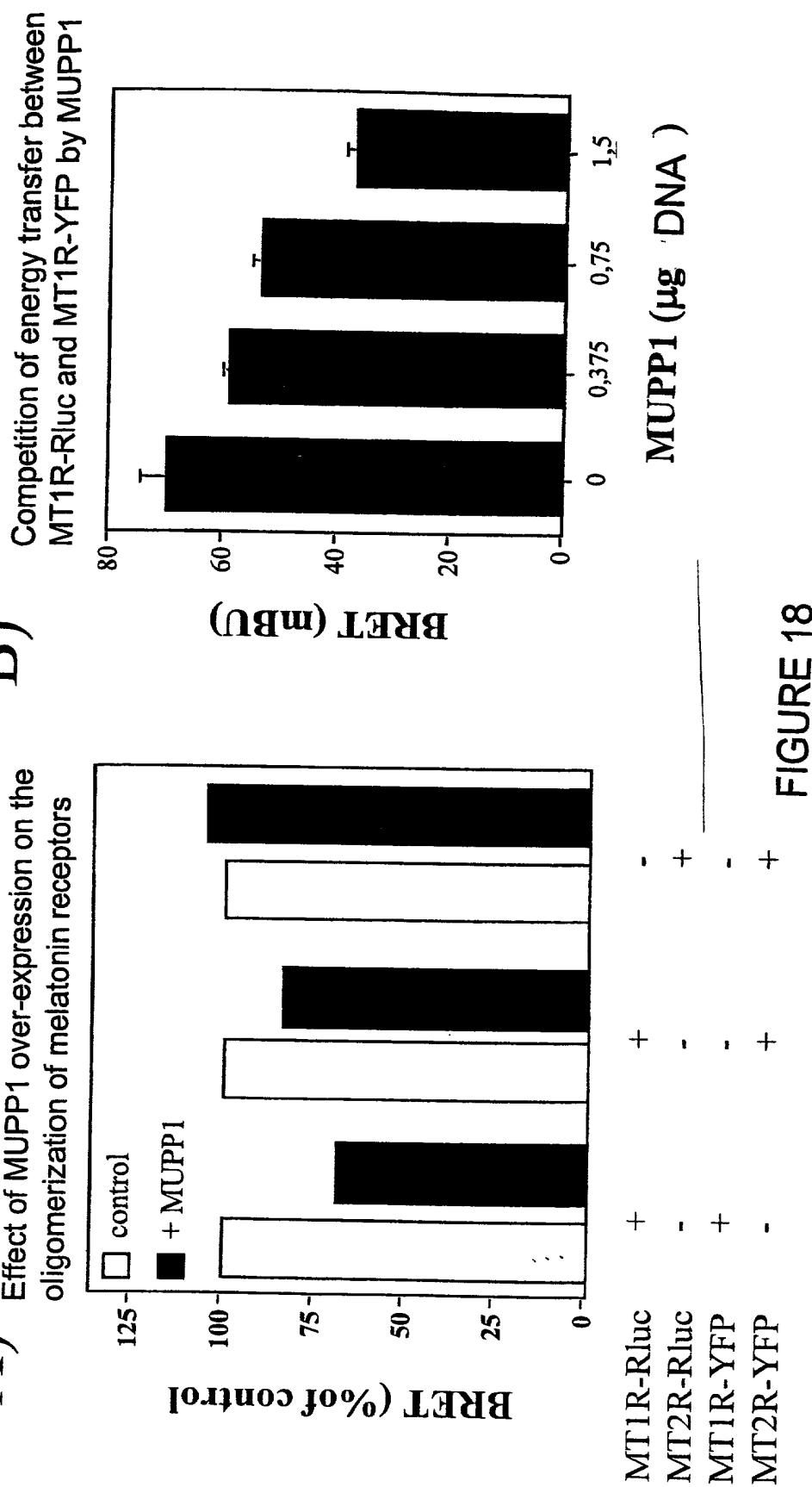


FIGURE 17



**B)**



**FIGURE 18**

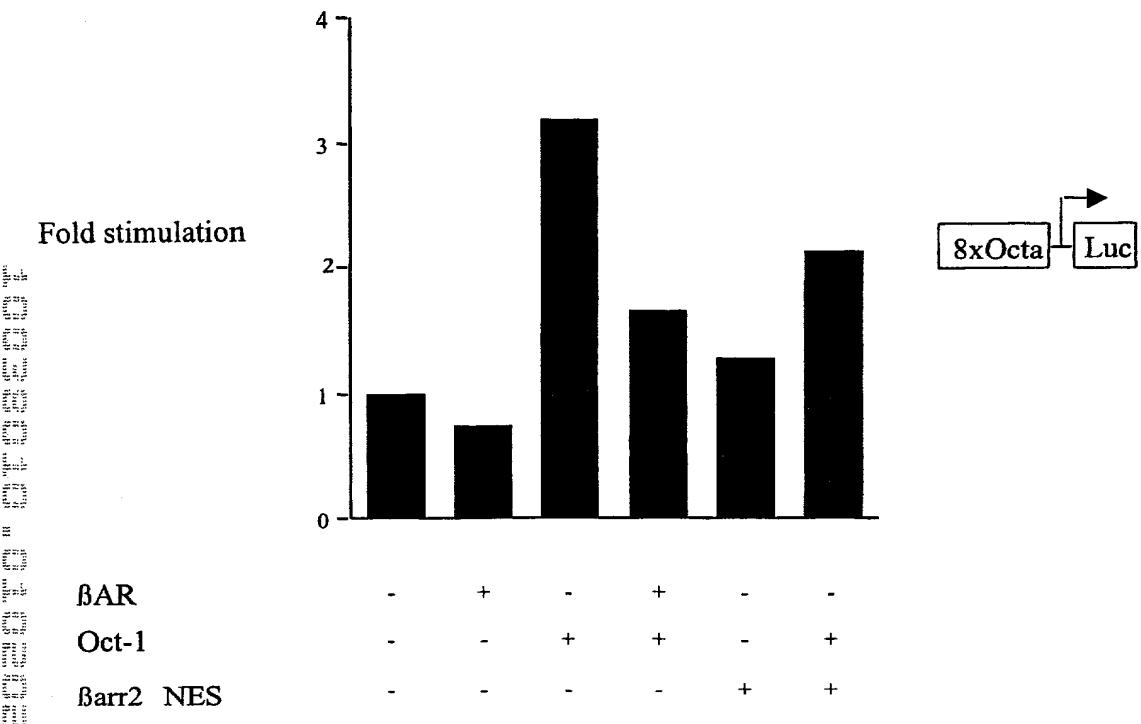


Figure 19